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# **Approaches to Fight Microbial Infection-Related Biofilms**

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## **Message from the Guest Editors**

Biofilms are structured communities of bacterial cells enclosed in an extracellular polymeric matrix (EPS) that can adhere to different kinds of surfaces. Most microbial infections are associated with the formation of biofilms; these infections generally become chronic due to their resilience to immune system, antibiotic, and other treatments.

This Special Issue aims to provide a fundamental understanding of the role of the intricate underlying mechanisms of biofilm formation and their role in the pathogenesis and resistance of infections. Omics technologies are continuously offering new insights into the characterization of this issue. (Meta)genomics, (meta)proteomics, and metabolomics studies will help us to understand the microbial ecology of biofilm communities and are invited for publication in this Special Issue. Studies on the development of novel antibiofilm strategies, such as natural antimicrobials/QS inhibitors and their mechanism of action, or new technical applications.













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